

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

Proposed
Title V/ Synthetic Minor / Construction / Operating
Permit: V-07-027
Princeton Peaking Plant
Princeton, KY 42445
November 6, 2007
Esmail Hassanpour, Reviewer
SOURCE ID: 21-033-00038
AGENCY INTEREST: 85174
ACTIVITY: APE20070001

SOURCE DESCRIPTION:

The Princeton Peaking Plant applied to the Kentucky Division for Air Quality on May 5, 2007, to construct and operate an electric generating facility in Princeton, KY. Additional information was provided to the Division on August 20, 2007. The electricity will be generated using nine Caterpillar Model 3516 B reciprocating engines, or similar equipment. The engines will be used to meet peak electricity demand. The reciprocating engines offer quick-start capability and will drive generators to produce electric power for distribution. Each engine will have an approximate heat input of 21.74 MMBtu/hr (HHV) with nominal output of 2 MW. The units use No. 2 fuel oil. Combined operating hours for all engines will be limited to 7800 hours per year. Two 32,000 gallons storage tanks will be constructed as part of the project. These two tanks are now insignificant activities, are moved from the permit Section B to Section C, and are exempt from Regulation 401 KAR 60:005, Sections 2 and 3(1)(q) - incorporates by reference 40 CFR Part 60.110b to 60.117b (Subpart Kb). Maximum throughput of No. 2 fuel oil will be 1, 37 9,700 gallons per year. This throughput may be through a single tank or split between the two tanks.

PUBLIC AND AFFECTED STATE REVIEW:

On September 12, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in the Times Leader in Princeton, Kentucky. The public comment period expired 30 days from the date of publication.

Comments were received during the 30-day public comment period, and the Division's responses to them are in the 'Response to Comments' section

Therefore, the Division has made a final determination to issue a proposed permit. A final permit will be issued after the U.S. EPA's 45-day review.